



## Air pollution and allergic disease

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### Abstract:

Over the past several decades, there has been increased awareness of the health effects of air pollution and much debate regarding the role of global warming. The prevalence of asthma and allergic disease has risen in industrialized countries, and most epidemiologic studies focus on possible causalities between air pollution and these conditions. This review examines salient articles and summarizes findings important to the interaction between allergies and air pollution, specifically volatile organic compounds, global warming, particulate pollutants, atopic risk, indoor air pollution, and prenatal exposure. Further work is necessary to determine whether patients predisposed to developing allergic disease may be more susceptible to the health effects of air pollutants due to the direct interaction between IgE-mediated disease and air pollutants. Until we have more definitive answers, patient education about the importance of good indoor air quality in the home and workplace is essential. Health care providers and the general community should also support public policy designed to improve outdoor air quality by developing programs that provide incentives for industry to comply with controlling pollution emissions.

**Source:** Ask your librarian to help locate this item.

### Resource Description

#### Exposure :

weather or climate related pathway by which climate change affects health

Air Pollution, Indoor Environment

**Air Pollution:** Allergens, Particulate Matter, Other Air Pollution

**Air Pollution (other):** VOC

#### Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

#### Geographic Location:

resource focuses on specific location

Global or Unspecified

#### Health Impact:

# Climate Change and Human Health Literature Portal



specification of health effect or disease related to climate change exposure

Respiratory Effect, Other Health Impact

**Respiratory Effect:** Asthma

**Other Health Impact:** allergic disease; atopy

**Population of Concern:** A focus of content

**Population of Concern:** 

populations at particular risk or vulnerability to climate change impacts

Pregnant Women

**Resource Type:** 

format or standard characteristic of resource

Review

**Timescale:** 

time period studied

Time Scale Unspecified